

TABLE IV.1.

**DEMONSTRATION BULK VITRIFICATION SYSTEM (DBVS) FACILITY TANK
SYSTEMS DESCRIPTION**

Dangerous and/or Mixed Waste Tank Systems Name	System Designation and Equipment Number	Engineering Description (Drawing No., Specification No., etc.)^b	Narrative Description, Table & Figures	Maximum Capacity (gallons)
Waste and Simulant Staging Tank	WRS-Tanks RESERVED	RESERVED	Sections 2.3.2 and 4.2.3; Table 2-1; Figures 2-3, 2-4, and Figure B-7	1,000
Waste and Simulant Staging Tanks	DBVS-Tanks	Permit Attachment KK, Appendix 2, Section 2, Drawing #s: DBVS-SK- M105 and F- 145579-00-P- 0005, Section 5, Specification #: F-145579-D- SP-028.	Sections 2.3.2 and 4.2.2.2; Table 2-1; Figures 2-2 and B-1	
#1	32-D74-002			18,000
#2	32-D74-003			18,000
#3	32-D74-016			18,000
#4	RESERVED			18,000
Receiver Tank From Bottom of Dryer	DBVS-Tanks	RESERVED	RESERVED	RESERVED
Dry Waste Receiver Units	DBVS-Tanks	Permit Attachment LL, Appendix 5, Section 3, Drawings # DBVS-SK- M107, Sheets 2 & 3., Permit Attachment KK, Appendix 5, Section 5 Specification # 145579-D-SP- 032	Sections 2.3.3 and 4.2.8 and Figure B-1	RESERVED
#1	33-D64-088			
#2	33-D64-089			

Dryer Condensate Tanks	DBVS-Tanks 37-D74-009 37-D74-010	Permit Attachment KK, Appendix 4, Section 3, Drawing F-145579-37-A-0101; Section 5, Specification 145570-D-SP-031	Sections 2.6 and 4.3.2; Table 4-5; Figures 2-2, B-1, and B-4	Dryer Condensate: 18,000 18,000
Dryer Offgas Condensate Tank	DBVS-Tanks 33-D74-015 33-D74-033	Permit Attachment KK, Appendix 3, Section 3, Drawing F-145579-33-A-0101; Section 5, Specification 145579-D-SP-006	Figure B-1 and B-4	500
Venturi Scrubber System (VSS) #1	DBVS Tank 36-D74-052	Permit Attachment LL, Appendix 7, Section 3, Drawing # F-145579-36-A-0100, Section 5, Specification 145579-V-SP-037	Sections 2 and 4; Figures B-2 and B-5	690
Venturi Scrubber System (VSS) Bleed Tanks #1	DBVS -Tanks 37-D74-011	Permit Attachment KK, Appendix 4, Section 3, Drawing F-145579-37-A-0101; Section 5, Specification 145570-D-SP-031	Section 4.2.15; Figures 2-2, B-2, and B-5	18,000

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TABLE IV.2.

**DEMONSTRATION BULK VITRIFICATION SYSTEM (DBVS) FACILITY TANK
SYSTEMS SECONDARY CONTAINMENT SYSTEMS
INCLUDING SUMPS AND FLOOR DRAINS**

Sump/Floor Drain I.D. No. & Room Location	Maximum Sump Capacity (gallons)	Sump Dimensions (feet) & Materials of Construction	Engineering Description (Drawing No., Specification No., etc.)
WRS Pump Skid, Sample Room	RESERVED	RESERVED	Permit Attachment KK, Appendix 2, Section 2, Drawing # DBVS-SK- M101. Section 5, Specification 145579-D-SP- 027
Pump Skid, Equipment Room	RESERVED	RESERVED	Permit Attachment KK, Appendix 2, Section 2, Drawing # DBVS-SK- M101, Section 5, Specification 145579-D-SP- 027
Waste Receipt Tanks: 32-D74-002 32-D74-003 32-D74-016	RESERVED	RESERVED	Permit Attachment KK, Appendix 2, Section 2, Drawing # DVBS-SK- M105, Section 5, Specification: 145579-D-SP- 028

Secondary Waste System Pump Skid	RESERVED	RESERVED	Permit Attachment KK, Appendix 4, Section 3, Drawing F- 145579-37-A- 0100, Section 5, Specification 145579-D-SP- 011
Secondary Waste Tanks Dryer Condensate 37-D74-009 37-D74-010	RESERVED	RESERVED	Permit Attachment KK, Appendix 4, Section 3, Drawing F- 145579-37-A- 0101; Section 5, Specification 145570-D-SP- 031
Venturi Scrubber Bleed 37-D74-011	RESERVED	RESERVED	Permit Attachment KK, Appendix 4, Section 3, Drawing F- 145579-37-A- 0101; Section 5, Specification 145570-D-SP- 031

Waste Dryer Off-gas Condensate Tank 33-D74-015 33-D74-033	RESERVED	RESERVED	Permit Attachment KK, Appendix 3, Section 3, Drawing F- 145579-33-A- 0101; Section 5, Specification
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			145579-D-SP-006.
Scrubber Tank 36-D74-052	RESERVED	RESERVED	Permit Attachment LL, Appendix 7, Section 3, Drawing F- 145579-36-A- 0100, Specification 145579-D-SP- 037

TABLE IV.3.

**DEMONSTRATION BULK VITRIFICATION SYSTEM (DBVS) FACILITY TANK
SYSTEMS PROCESS AND LEAK DETECTION SYSTEM INSTRUMENTS AND
PARAMETERS**

Sub-system Locator and Name (including P&ID)	Control Parameter	Type of Measuring or Leak Detection Instrument	Location of Measuring Instrument (Tag No.)	Instrument Range	Failure State	Expected Range	Instrument Accuracy	Instrument Calibration Method No. and Range
Pump Skid Equipment Room Sump Level Indication F-145579- 32-A-0100	Level	TT-Mini- Probe	32-LSH-011	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
Pump Skid Sample Room Sump Level Indication F-145579- 32-A-0100	Level	TT-Mini- Probe	32-LSH-032	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
Waste Receipt Tanks: 32-D74-002 32-D74-003 32-D74-016 F-145579- 32-A-0101	Level	TT-Mini- Probe	32-LSH-103 32-LSH-203 32-LSH-303	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
Secondary Waste Pump Skid	Level	TT-Mini- Probe	37-LSH-007	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
Scrubber Tank	Level	TT-Mini- Probe	37-LSH-123	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
Secondary Waste Tanks Dryer Condensate 37-D740009 37-D74-010	Level	TT-Mini- Probe	37-LSH-103 37-LSH-203	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED
Venturi Scrubber Bleed 37-D74-011 37-	Level	TT-Mini- Probe	37-LSH-303	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED

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Sub-system Locator and Name (including P&ID)	Control Parameter	Type of Measuring or Leak Detection Instrument	Location of Measuring Instrument (Tag No.)	Instrument Range	Failure State	Expected Range	Instrument Accuracy	Instrument Calibration Method No. and Range
Waste Dryer Off-gas Condensate Tank Level 33-D74-015 33-D74-033	Level	TT-Mini- Probe	33-LIT-017	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED